

Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Mizkan Euro Limited
Mizkan Euro Limited Middleton
Mill Hills Road
Middleton
Manchester
M24 2ED

Permit number

EPR/KP3934QC

Mizkan Euro Limited Middleton

Permit number EPR/KP3934QC

Introductory note

The main features of the permit are as follows.

The Mizkan Euro site at Middleton requires a new Bespoke Installation Permit as a consequence of the site having the potential to exceed the prescribed daily tonnage threshold for the treatment and processing of animal and vegetable raw materials in combined and separate products. This falls under the following Industrial Emissions Directive (IED) Schedule 1 listed activity description:

Section 6.8 Part A (1) (d) (iii) (bb) - Treatment and processing, of animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than $[300-(22.5 \times A)]$ tonnes per day (where 'A' is the portion of animal material in percent of weight of the finished product production capacity and is less than 10%).

There is also an effluent treatment plant onsite for the disposal of non-hazardous waste with a capacity of more than 50 tonnes per day. Due to the capacity of the system, this is also an IED Schedule 1 listed activity in its own right:

Section 5.4 Part A(1)(a)(ii) - Disposal of non-hazardous waste with a capacity exceeding 50 tonnes per day involving physico-chemical treatment.

Effluent arising on the site enters the drainage system and is directed to two subsurface chambers which collect the liquid and pump it back up to the western side of the site. The pumped liquid is fed into two buffer tanks each with a capacity of 120,000 litres. A vibrating screen sieve is used to separate gross solids by circulating the effluent around the tank. Effluent is discharged from the tanks at a controlled rate to comply with the consent agreement, then passes via a buffer tank where the pH is monitored and maintained to the correct value range by automatically adding the correct quantities of 26% sodium hydroxide.

The installation is located in Chadderton, within the authority of Rochdale Metropolitan Borough Council. A food processing factory has existed on the site since around 1898 when the older part of the current site was built. The site is situated just off Mills Hill Road, which runs along the eastern boundary, the railway line between Manchester and Leeds running along the whole of the western side and industrial premises to the north and south. The site occupies approximately 28,000 square metres. The installation was purchased in 2013 by Mizkan Euro Ltd and introduced the production of Japanese vinegars and Sushi seasonings from imported part processed materials. In 2013 further equipment was introduced to manufacture these imported materials from basic raw materials.

The brewery operation operates partly on a 24/365 basis, while packing, bottling and despatch is carried out predominantly on a two eight-hour shifts, five day per week basis. Site security is manned 24/7. The installation comprises four production lines dedicated to manufacturing; various vinegars including a range of Japanese vinegars. The process includes brewing, fermentation, acetification, distillation and blending of vinegars; washing and / or shredding, brining and pasteurisation of pickled vegetables; mixing of Worcester sauce and gravy browning; Japanese vinegars and sushi seasoning products. These products are packed in a range of glass, plastic and bag in box containers. Empty glass packaging is inverted and air cleaned before being filled, capped, labelled and palletised. Most products are pasteurised pre-filling and filled hot, but certain products are pasteurised in-bottle in a tunnel pasteuriser. Products are also shipped off site in bulk, either by tanker or in intermediate bulk containers (IBCs).

The site has three gas fired boilers, the largest boiler is rated at 3MWth and runs on only gas while the other two boilers are rated at 2MWth and are run on gas but have an alternative diesel fuel capability as an emergency facility only. There is also a standby generator with the capacity to run up to 20% of the site. Refrigeration is limited to a small, four to five pallet cold store, a similar sized chiller. The site also has; wastewater tanks, electric forklift trucks, engineering maintenance workshops, air compressors, canteen, laboratories and security gatehouse.

The following directly associated activities are also undertaken on site:

- Cooling towers - Several of the biochemical processes on site are exothermic and cooling for these is provided by either plate and frame heat exchangers or by internal coils. The towers are fitted with automatic monitoring and chemical dosing systems. They emit water vapour to the atmosphere.
- Compressed air - Many valves and devices are air actuated and the compressed air for these is provided by via an air main operating at 6 bar pressure. This is fed from two variable speed air compressors, one 75kW and the other 55kW.
- Steam from boilers - Steam is used to heat water for both process and domestic purposes. The steam is raised to 7 bar using three gas fired boilers. Under normal operating conditions one boiler alone services the total demand with a second boiler on standby and the third off.
- Packaging - The site regularly packs vinegar based liquid products into; road tankers, 1 tonne IBCs, 20 and 18 litre bag in box, 5 and 2 litre plastic jerry cans, 1.14 litre, 568 ml, 400 ml, 350 ml, 284 ml, 250 ml, and 150 ml glass bottles and a 300 ml plastic bottle. The packing process is automated.
- Storage - The finished pallets are stored in a high bay warehouse with a capacity of approximately 3,000 spaces and goods are despatched to either a UK hub via a third-party distributor or are collected by overseas customers for export.
- Refrigeration - There is a four-pallet cold store.

The nearest residential receptors lie 80m west of the site, with further residential areas located 128m to the east. The nearest environmental receptor is the Rochdale Canal which is located approximately 70m to the east of the site. It has been designated as a Site of Special Scientific Interest (SSSI) and a Special Area of Conservation (SAC).

The status log of the permit sets out the permitting history, including any changes to the permit reference number.

Status log of the permit		
Description	Date	Comments
Application EPR/KP3934QC/A001	Duly made 17/07/19	Application for production of vinegar.
Response to Schedule 5 notice for further information.	27/08/19	Air Quality Impact Assessment Addendum.
Response to Schedule 5 notice for further information.	22/03/20	Updated site plan, clarification on storage and containment onsite, clarification on wastewater discharge and clarification on refrigerant equipment.
Response to request for further information	14/04/20	Clarification on cooling tower emissions, clarification on final destination of food waste and updated site plan
Permit EPR/KP3934QC determined	15/04/20	Permit issued to Mizkan Euro Limited

End of introductory note

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

EPR/KP3934QC

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

Mizkan Euro Limited ("the operator"),

whose registered office is

**2nd Floor Building 10
Chiswick Park
566 Chiswick High Road
Chiswick
London
W4 5XS**

company registration number 08053234

to operate an installation at

**Mizkan Euro Limited Middleton
Mill Hills Road
Middleton
Manchester
M24 2ED**

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Philip Lamb	15/04/2020

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

- (a) in accordance with a written management system that identifies and minimises risks of pollution, including those arising from operations, maintenance, accidents, incidents, non-conformances, closure and those drawn to the attention of the operator as a result of complaints; and
- (b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of it kept at or near the place where those duties are carried out.

1.2 Energy efficiency

1.2.1 The operator shall:

- (a) take appropriate measures to ensure that energy is used efficiently in the activities;
- (b) review and record at least every four years whether there are suitable opportunities to improve the energy efficiency of the activities; and
- (c) take any further appropriate measures identified by a review.

1.3 Efficient use of raw materials

1.3.1 The operator shall:

- (a) take appropriate measures to ensure that raw materials and water are used efficiently in the activities;
- (b) maintain records of raw materials and water used in the activities;
- (c) review and record at least every four years whether there are suitable alternative materials that could reduce environmental impact or opportunities to improve the efficiency of raw material and water use; and
- (d) take any further appropriate measures identified by a review.

1.4 Avoidance, recovery and disposal of wastes produced by the activities

1.4.1 The operator shall take appropriate measures to ensure that:

- (a) the waste hierarchy referred to in Article 4 of the Waste Framework Directive is applied to the generation of waste by the activities; and
- (b) any waste generated by the activities is treated in accordance with the waste hierarchy referred to in Article 4 of the Waste Framework Directive; and
- (c) where disposal is necessary, this is undertaken in a manner which minimises its impact on the environment.

- 1.4.2 The operator shall review and record at least every four years whether changes to those measures should be made and take any further appropriate measures identified by a review.

2 Operations

2.1 Permitted activities

- 2.1.1 The operator is only authorised to carry out the activities specified in schedule 1 table S1.1 (the “activities”).

2.2 The site

- 2.2.1 The activities shall not extend beyond the site, being the land shown edged in green on the site plan at schedule 7 to this permit.

2.3 Operating techniques

- 2.3.1 The activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.
- 2.3.2 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation (“plan”) specified in schedule 1, table S1.2 or otherwise required under this permit which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 Any raw materials or fuels listed in schedule 2 table S2.1 shall conform to the specifications set out in that table.
- 2.3.4 The operator shall ensure that where waste produced by the activities is sent to a relevant waste operation, that operation is provided with the following information, prior to the receipt of the waste:
- (a) the nature of the process producing the waste;
 - (b) the composition of the waste;
 - (c) the handling requirements of the waste;
 - (d) the hazardous property associated with the waste, if applicable; and
 - (e) the waste code of the waste.
- 2.3.5 The operator shall ensure that where waste produced by the activities is sent to a landfill site, it meets the waste acceptance criteria for that landfill.

2.4 Improvement programme

- 2.4.1 The operator shall complete the improvements specified in schedule 1 table S1.3 by the date specified in that table unless otherwise agreed in writing by the Environment Agency.
- 2.4.2 Except in the case of an improvement which consists only of a submission to the Environment Agency, the operator shall notify the Environment Agency within 14 days of completion of each improvement.

3 Emissions and monitoring

3.1 Emissions to water, air or land

- 3.1.1 There shall be no point source emissions to water, air or land except from the sources and emission points listed in schedule 3 tables S3.1 and S3.2.
- 3.1.2 The limits given in schedule 3 shall not be exceeded.
- 3.1.3 Periodic monitoring shall be carried out at least once every 5 years for groundwater and 10 years for soil, unless such monitoring is based on a systematic appraisal of the risk of contamination.

3.2 Emissions of substances not controlled by emission limits

- 3.2.1 Emissions of substances not controlled by emission limits (excluding odour) shall not cause pollution. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved emissions management plan, have been taken to prevent or where that is not practicable, to minimise, those emissions.
- 3.2.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution, submit to the Environment Agency for approval within the period specified, an emissions management plan which identifies and minimises the risks of pollution from emissions of substances not controlled by emission limits;
 - (b) implement the approved emissions management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 3.2.3 All liquids in containers, whose emission to water or land could cause pollution, shall be provided with secondary containment, unless the operator has used other appropriate measures to prevent or where that is not practicable, to minimise, leakage and spillage from the primary container.

3.3 Odour

- 3.3.1 Emissions from the activities shall be free from odour at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved odour management plan, to prevent or where that is not practicable to minimise the odour.
- 3.3.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to odour, submit to the Environment Agency for approval within the period specified, an odour management plan which identifies and minimises the risks of pollution from odour;
 - (b) implement the approved odour management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.4 Noise and vibration

- 3.4.1 Emissions from the activities shall be free from noise and vibration at levels likely to cause pollution outside the site, as perceived by an authorised officer of the Environment Agency, unless the operator has used appropriate measures, including, but not limited to, those specified in any approved noise and vibration management plan to prevent or where that is not practicable to minimise the noise and vibration.
- 3.4.2 The operator shall:
- (a) if notified by the Environment Agency that the activities are giving rise to pollution outside the site due to noise and vibration, submit to the Environment Agency for approval within the period specified, a noise and vibration management plan which identifies and minimises the risks of pollution from noise and vibration;
 - (b) implement the approved noise and vibration management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

3.5 Monitoring

- 3.5.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:
- (a) point source emissions specified in tables S3.1 and S3.2.
- 3.5.2 The operator shall maintain records of all monitoring required by this permit including records of the taking and analysis of samples, instrument measurements (periodic and continual), calibrations, examinations, tests and surveys and any assessment or evaluation made on the basis of such data.
- 3.5.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme and the environmental or other monitoring specified in condition 3.5.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.
- 3.5.4 Permanent means of access shall be provided to enable sampling/monitoring to be carried out in relation to the emission points specified in schedule 3 tables S3.1 and S3.2 unless otherwise agreed in writing by the Environment Agency.

3.6 Pests

- 3.6.1 The activities shall not give rise to the presence of pests which are likely to cause pollution, hazard or annoyance outside the boundary of the site. The operator shall not be taken to have breached this condition if appropriate measures, including, but not limited to, those specified in any approved pests management plan, have been taken to prevent or where that is not practicable, to minimise the presence of pests on the site.
- 3.6.2 The operator shall:
- (a) if notified by the Environment Agency, submit to the Environment Agency for approval within the period specified, a pests management plan which identifies and minimises risks of pollution from pests;
 - (b) implement the pests management plan, from the date of approval, unless otherwise agreed in writing by the Environment Agency.

4 Information

4.1 Records

4.1.1 All records required to be made by this permit shall:

- (a) be legible;
- (b) be made as soon as reasonably practicable;
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval; and
- (d) be retained, unless otherwise agreed in writing by the Environment Agency, for at least 6 years from the date when the records were made, or in the case of the following records until permit surrender:
 - (i) off-site environmental effects; and
 - (ii) matters which affect the condition of the land and groundwater.

4.1.2 The operator shall keep on site all records, plans and the management system required to be maintained by this permit, unless otherwise agreed in writing by the Environment Agency.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 A report or reports on the performance of the activities over the previous year shall be submitted to the Environment Agency by 31 January (or other date agreed in writing by the Environment Agency) each year. The report(s) shall include as a minimum:

- (a) a review of the results of the monitoring and assessment carried out in accordance with the permit including an interpretive review of that data;
- (b) the annual production /treatment data set out in schedule 4 table S4.2; and
- (c) the performance parameters set out in schedule 4 table S4.3 using the forms specified in table S4.4 of that schedule.

4.2.3 Within 28 days of the end of the reporting period the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

- (a) in respect of the parameters and emission points specified in schedule 4 table S4.1;
- (b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.4 ; and
- (c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.4 The operator shall, unless notice under this condition has been served within the preceding four years, submit to the Environment Agency, within six months of receipt of a written notice, a report assessing whether there are other appropriate measures that could be taken to prevent, or where that is not practicable, to minimise pollution.

4.3 Notifications

4.3.1 In the event:

- (a) that the operation of the activities gives rise to an incident or accident which significantly affects or may significantly affect the environment, the operator must immediately—
 - (i) inform the Environment Agency,
 - (ii) take the measures necessary to limit the environmental consequences of such an incident or accident, and
 - (iii) take the measures necessary to prevent further possible incidents or accidents;
- (b) of a breach of any permit condition the operator must immediately—
 - (i) inform the Environment Agency, and
 - (ii) take the measures necessary to ensure that compliance is restored within the shortest possible time;
- (c) of a breach of permit condition which poses an immediate danger to human health or threatens to cause an immediate significant adverse effect on the environment, the operator must immediately suspend the operation of the activities or the relevant part of it until compliance with the permit conditions has been restored.

4.3.2 Any information provided under condition 4.3.1 (a)(i), or 4.3.1 (b)(i) where the information relates to the breach of a limit specified in the permit, shall be confirmed by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

- (a) any change in the operator's trading name, registered name or registered office address; and
- (b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

- (a) any change in the operator's name or address; and
- (b) any steps taken with a view to the dissolution of the operator.

In any other case:

- (a) the death of any of the named operators (where the operator consists of more than one named individual);
- (b) any change in the operator's name(s) or address(es); and
- (c) any steps taken with a view to the operator, or any one of them, going into bankruptcy, entering into a composition or arrangement with creditors, or, in the case of them being in a partnership, dissolving the partnership.

4.3.4 Where the operator proposes to make a change in the nature or functioning, or an extension of the activities, which may have consequences for the environment and the change is not otherwise the subject of an application for approval under the Regulations or this permit:

- (a) the Environment Agency shall be notified at least 14 days before making the change; and
- (b) the notification shall contain a description of the proposed change in operation.

4.3.5 The Environment Agency shall be given at least 14 days notice before implementation of any part of the site closure plan.

4.3.6 Where the operator has entered into a climate change agreement with the Government, the Environment Agency shall be notified within one month of:

- (a) a decision by the Secretary of State not to re-certify the agreement;
- (b) a decision by either the operator or the Secretary of State to terminate the agreement; and
- (c) any subsequent decision by the Secretary of State to re-certify such an agreement.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "immediately", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Section 6.8 Part A (1) (d) (iii) (bb) - Treatment and processing, of animal and vegetable raw materials (other than milk only), both in combined and separate products, with a finished product production capacity in tonnes per day greater than $[300-(22.5 \times A)]$ tonnes per day (where 'A' is the portion of animal material in percent of weight of the finished product production capacity and is less than 10%).	Production of malt, spirit and Japanese vinegar, Worcester sauce, gravy browning, Sushi seasoning and pickled vegetables.	From receipt of raw materials to dispatch of finished packaged products.
Section 5.4 Part A(1)(a)(ii) – Disposal of non-hazardous waste in a facility with a capacity exceeding 50 tonnes per day by physico-chemical treatment	Effluent treatment plant discharging 310 m ³ per day.	From receipt of raw effluent to discharge to sewer.
Directly Associated Activity		
Combustion boilers	Three gas fired boilers – only one boiler operational at a time. <ul style="list-style-type: none"> • 1x3MWth • 2x2MWth with alternative diesel fuel capability 	From receipt of fuel to emission of combustion gases.
Refrigeration plant	Refrigeration using f-gas - Product chillers and chilled storage.	From receipt of refrigerant to dispatch of chilled product.
Storage and handling of materials	Handling and storing material.	Includes receipt of raw materials, storage in warehouse or silos, transfer of seed to preparation plant, storage of crude oil and edible oils in tank farms, transfer of materials within process, loading of product for transport to customers by road or by sea
Cleaning	Dry and wet cleaning of equipment as specified.	From receipt of raw materials to dispatch of finished products.
Generation, storage and handling of wastes	Generation, storage and handling of wastes on site to removal off site including the sludge produced from the dissolved air flotation (DAF) plant which is removed off site by road tanker.	From generation of waste materials to their removal off-site.
Packaging	Packaging of finished product into IBCs, bags, plastic bottles and glass bottles.	From generation of finished product to removal off site.

Table S1.1 activities		
Activity listed in Schedule 1 of the EP Regulations	Description of specified activity	Limits of specified activity
Cooling towers	Cooling of several processes throughout the production process.	From receipt of raw materials to requirement throughout the process.
Compressed Air Generation	Compressed air is used to drive mechanical movements on such things as valves and pistons on the packaging machinery.	From receipt of raw materials to requirement throughout the process.

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application EPR/KP3934QC/A001	Part B3 of the application section 3 - Answers to Section 3 on application form Part B3 including references to the Food and Drink Sector Guidance EPR 6.10 and the Food, Drink and Milk Industries BREF. The following application Supporting Documents: Supporting Information – EP application MIZ-A01 Non-Technical Summary MIZ-A03 BAT Assessment MIZ-C03 Environmental Risk Assessment MIZ Climate Change Agreement 7.1 Environmental Management System Middleton	17/07/19
Response to Schedule 5 Notice dated 29/07/19	Air Quality Impact Assessment Addendum	27/08/19
Response to Schedule 5 Notice dated 24/02/20	1. Update site plan 2. Details of Wastewater treatment works 3. Full list of storage and containment onsite 4. Refrigeration equipment and refrigerant used onsite 5. Waste processes onsite 6. Clarification of wastewater containment and processes	22/03/20
Response to request for further information dated 08/04/20	1. Clarification on emission from cooling towers 2. Clarification on final destination of food waste 3. Updated site plan	14/04/20

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
IC1	The operator shall carry out an assessment in accordance with our Environment Agency Guidance H5 Site condition report – guidance and templates and the European Commission Guidance concerning baseline reports under Article 22(2) of Directive 2010/75/EU on industrial emissions (2014/C 136/03), to consider whether they wish to set baseline reference data for any relevant substances of concern taking into account the condition of pollution prevention measures. Additionally, if storing/using hazardous substances on site, the operator will need to complete a Stage 1 – 3 assessment in line with the guidance set out	12 months from date of issue of permit

Table S1.3 Improvement programme requirements		
Reference	Requirement	Date
	<p>within our EC Commission Guidance on baseline reports, to determine whether baseline reference data is required for hazardous substances.</p> <p>If as a consequence of this assessment, the site condition report will be subject to modifications, the operator shall submit a revised Site condition report to the Environment Agency for approval. The completed site condition report shall meet the Industrial Emissions Directive baseline reporting requirements as stated in Environmental Permitting (England & Wales) Regulation (2016) regulation 35(1) Schedule 7(5)(m).</p>	
1C2	<p>The Operator shall review the refrigerants used on site and cease to use any which are no longer deemed as acceptable in accordance with the relevant regulations.</p> <p>The operator shall substitute unacceptable refrigerants with suitable alternatives as soon as reasonably practicable.</p> <p>The operator shall submit a summary report setting out their intentions, with appropriate timescales, for approval in writing by the Environment Agency.</p>	12 months from date of issue of permit
IC3	<p>The operator shall carry out an assessment of the containment infrastructure for fire water and sump capacity, its potential to cause fugitive emissions to surface water, groundwater and soils. The Operator must review the containment measures on site to ensure they comply with the requirements set out in CIRIA Report C736. The operator shall produce a final report to reflect this review and submit it to the Environment Agency for approval in writing. Where any shortfalls in the containment measures are identified, the operator shall include appropriate design & install standards and a reasonable timescale for installing improvements within the written report.</p>	12 months from date of issue of permit
IC4	<p>The Operator shall submit a comprehensive decommissioning plan for the oil storage facility notified as no longer required. The report shall include a timeline for the completion of decommissioning plant and land restoration in accordance with best practice.</p> <p>The report shall also summarise environmental protection measures to be put in place to prevent or where not practicable minimise the risk of pollution to the environment.</p>	12 months from date of issue of permit

Schedule 2 – Waste types, raw materials and fuels

Table S2.1 Raw materials and fuels	
Raw materials and fuel description	Specification
Fuel Oil	< 0.1% sulphur content

Schedule 3 – Emissions and monitoring

Table S3.1 Point source emissions to air – emission limits and monitoring requirements						
Emission point ref. & location	Source	Parameter	Limit (including unit)	Reference period	Monitoring frequency	Monitoring standard or method
A1 – Boiler ^{Note 1} [Point A1 on site plan in Schedule 7]	Boiler A	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Hourly Average	At least every 3 years ^{Note 2}	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years ^{Note 2}	BS EN 15058
A2 – Boiler ^{Note 1} [Point A2 on site plan in Schedule 7]	Boiler B	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Hourly Average	At least every 3 years ^{Note 2}	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years ^{Note 2}	BS EN 15058
A3- Boiler [Point A3 on site plan in Schedule 7]	Boiler C	Oxides of nitrogen (NO and NO ₂ expressed as NO ₂)	250 mg/m ³	Hourly Average	At least every 3 years ^{Note 2}	BS EN 14792
		Carbon monoxide	No limit set	--	At least every 3 years ^{Note 2}	BS EN 15058
A4 & A5 Cooling towers [Point A4 & A5 on site plan in Schedule 7]	10 cooling towers	Water vapour		--	--	--
Note 1: A1 and A2 individual flues in a common windshield. Note 2: The first measurements shall be carried out within four months of the grant of a permit, or registration of the plant, or of the date of the start of the operation, whichever is the latest.						

Table S3.2 Point source emissions to sewer, effluent treatment plant or other transfers off-site—emission limits and monitoring requirements

Emission point ref. & location	Source	Parameter	Limit (incl. Unit)	Reference period	Monitoring frequency	Monitoring standard or method
S1 on site plan in schedule 7 emission to foul sewer situated on Mill Road which discharges to Oldham Wastewater Treatment Works	Site effluent treatment plant	310 m3/day	Daily	Daily	Daily	Flow value
		pH	No limits set	Daily	Daily	BS ISO 10523
S2 [W1 on site plan in schedule 7] emission to sewer situated on Mills Hill Road which discharges to Oldham Wastewater Treatment Works	Uncontaminated surface water and rain water (including that which falls on the roof of the buildings)	No parameters set	No limits set	--	--	--
S3 [W2 on site plan in schedule 7] emission to sewer situated on Mills Hill Road which discharges to Oldham Wastewater Treatment Works	Uncontaminated surface water and rain water (including that which falls on the roof of the buildings)	No parameters set	No limits set	--	--	--
S4 [W3 on site plan in schedule 7] emission to sewer situated on Mills Hill Road which discharges to Oldham Wastewater Treatment Works	Uncontaminated surface water and rain water (including that which falls on the roof of the buildings)	No parameters set	No limits set	--	--	--
S5 [W4 on site plan in schedule 7] emission to sewer situated on Mills Hill Road which discharges to Oldham Wastewater Treatment Works	Uncontaminated surface water and rain water (including that which falls on the roof of the buildings)	No parameters set	No limits set	--	--	--

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	Emission or monitoring point/reference	Reporting period	Period begins
Emissions to air Parameters as required by condition 3.5.1.	A1, A2, A3,	At least every 36 months	1 January
Emissions sewer	S1	Every 12 months	1 January

Table S4.2: Annual production/treatment	
Parameter	Units
Total Production	tonnes

Table S4.3 Performance parameters		
Parameter	Frequency of assessment	Units
Water usage	Annually	m ³
Energy usage	Annually	MWh
Total raw material used	Annually	tonnes
Tonnes of waste sent off site for recovery or disposal	Annually	tonnes
Refrigerant use	Annually	tonnes

Table S4.4 Reporting forms		
Media/parameter	Reporting format	Date of form
Air	Form air 1 or other form as agreed in writing by the Environment Agency	15/04/20
Sewer	Form sewer 1 or other form as agreed in writing by the Environment Agency	15/04/20
Water usage	Form water usage 1 or other form as agreed in writing by the Environment Agency	15/04/20
Energy usage	Form energy 1 or other form as agreed in writing by the Environment Agency	15/04/20
Other performance indicators	Form performance 1 or other form as agreed in writing by the Environment Agency	15/04/20

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value and uncertainty	
Date and time of monitoring	

(b) Notification requirements for the breach of a limit	
To be notified within 24 hours of detection unless otherwise specified below	
Measures taken, or intended to be taken, to stop the emission	

Time periods for notification following detection of a breach of a limit	
Parameter	Notification period

(c) Notification requirements for the detection of any significant adverse environmental effect	
To be notified within 24 hours of detection	
Description of where the effect on the environment was detected	
Substances(s) detected	
Concentrations of substances detected	
Date of monitoring/sampling	

Part B – to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	
The dates of any unauthorised emissions from the facility in the preceding 24 months.	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

“authorised officer” means any person authorised by the Environment Agency under section 108(1) of The Environment Act 1995 to exercise, in accordance with the terms of any such authorisation, any power specified in section 108(4) of that Act.

“emissions to land” includes emissions to groundwater.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the activities, either from the emission points specified in schedule 3 or from other localised or diffuse sources, which are not controlled by an emission limit.

“groundwater” means all water, which is below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil.

“Industrial Emissions Directive” means DIRECTIVE 2010/75/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 24 November 2010 on industrial emissions

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“Medium Combustion Plant” or “MCP” means a combustion plant with a rated thermal input equal to or greater than 1 MW but less than 50 MW.

“Medium Combustion Plant Directive” or “MCPD” means Directive 2015/2193/EU of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants.

“Pests” means Birds, Vermin and Insects.

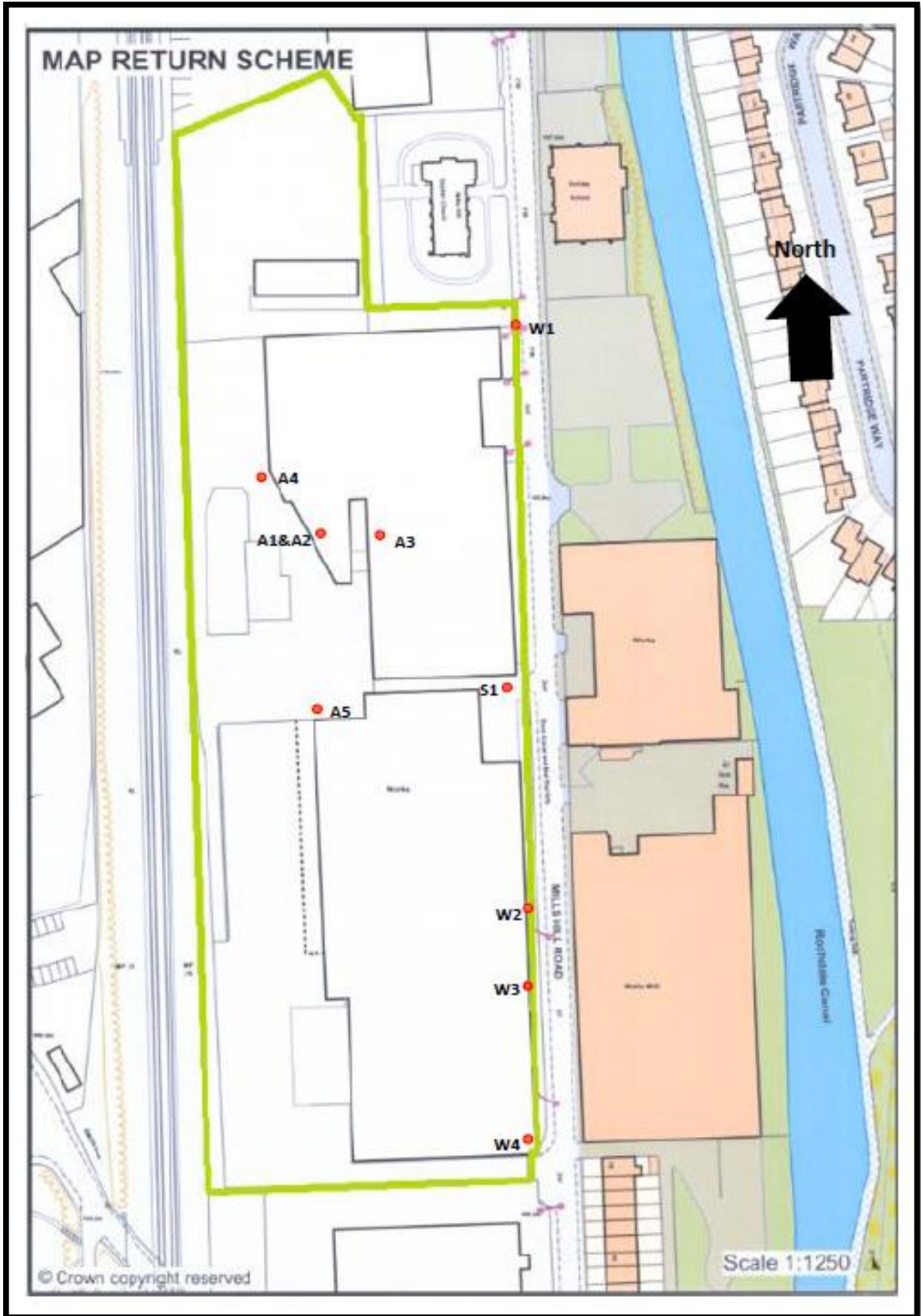
Where a minimum limit is set for any emission parameter, for example pH, reference to exceeding the limit shall mean that the parameter shall not be less than that limit.

Unless otherwise stated, any references in this permit to concentrations of substances in emissions into air means:

- in relation to emissions from combustion processes, the concentration in dry air at a temperature of 273K, at a pressure of 101.3 kPa and with an oxygen content of 3% dry for liquid and gaseous fuels, 6% dry for solid fuels; and/or
- in relation to emissions from non-combustion sources, the concentration at a temperature of 273K and at a pressure of 101.3 kPa, with no correction for water vapour content.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



END OF PERMIT